## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 9 September 2005 (09.09.2005)

**PCT** 

# (10) International Publication Number WO 2005/083016 A1

- (51) International Patent Classification<sup>7</sup>: C09D 7/12, 7/14
- (21) International Application Number:

PCT/US2004/042164

(22) International Filing Date:

17 December 2004 (17.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/541,927

6 February 2004 (06.02.2004) U

- (71) Applicant (for all designated States except US): IMERYS KAOLIN, INC. [US/US]; 774 Georgia Kaolin Road, Dry Branch, GA 31020 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SARE, Edward, J. [US/US]; 161 Saddle Run Court, Macon, GA 31014 (US). RAPER, Stephen, C. [US/US]; 292 Etowah Drive, Byron, GA 31088 (US). FIGLAR, Julie [GB/US]; 2130 Rossmore Road, Clemmons, NC 27012 (US).

- (74) Agent: GARRETT, Arthur, S.; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

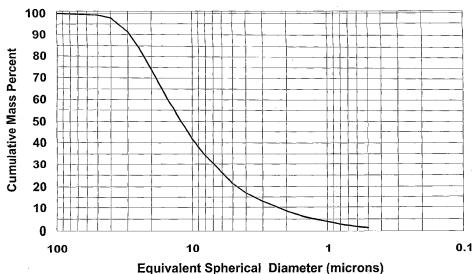
#### **Published:**

with international search report

[Continued on next page]

### (54) Title: POST-ADDITION OF WHITE MINERALS FOR MODIFICATIONS OF OPTICAL FILM PROPERTIES

# Sedigraph 5100



(57) Abstract: The present invention relates to a process for preparing a PVC tinted system, such as a paint. After the preparation of the tinted system, at least one of its optical properties can be adjusted by the addition of at least one white pigment that includes a white pigment other than TiO<sub>2</sub>. The optical properties that can be adjusted include at least one of tint strength, opacity, color, and whiteness.

#### 

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.